



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 7607
(SEVENTH REVISION)

EXPIRATION DATE: May 31, 2000

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Foxboro Environmental
East Bridgewater, Massachusetts
2. PURPOSE AND LIMITATIONS:
 - a. This exemption authorizes the manufacture, mark, sale and use of non-DOT specification cylinders for the shipment of hydrogen compressed, classed as Division 2.1, by passenger carrying aircraft. This exemption provides no relief from any Hazardous Materials Regulation other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 172.101, 173.306 and 175.3.
5. BASIS: This exemption is based on the application of Foxboro Environmental dated April 8, 1998 and additional information dated May 4, 1998, submitted in accordance with 49 CFR 107.109.

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6. HAZARDOUS MATERIALS (49 CFR 172.101):

Proper Shipping Name/ Hazardous Material Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Hydrogen, compressed	2.1	UN1049	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-DOT specification seamless stainless steel cylinder of not more than 7.22 cubic inch water capacity; each cylinder to be pressure tested to at least 4000 psig, and charged to not more than 2200 psig at 70°F. The cylinder is a component of portable gas chromatograph and must be manufactured as shown on drawing on file with the Office of Hazardous Materials Exemptions and Approvals. The gas chromatograph must be appropriately secured to prevent movement during transportation.

b. Each device must be shipped in a strong outside packaging as prescribed in 49 CFR 173.301(k).

c. The outside of each package must be plainly and durably marked "DOT-E 7607".

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of 49 CFR 173.22a (b), persons may use the packaging authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, provided all terms of this exemption are complied with and a copy of the current exemption is maintained at each facility where the packaging is being used in connection with the shipment or transportation of the hazardous materials concerned.

b. A person who is not a holder of this exemption, but receives a package covered by this exemption, may reoffer it for transportation provided no modifications or changes are made to the package, all terms of this exemption are complied with and a current copy of this exemption is maintained at each facility where the package is offered for transportation.

c. Each packaging manufactured under the authority of this exemption must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Exemptions and Approvals for a specific manufacturing facility. Except for cylinders which must be marked with the registration symbol.

d. A copy of this exemption, in its current status, must be maintained at each manufacturing facility at which this packaging is manufactured and must be made available to a DOT representative upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: passenger aircraft.

10. MODAL REQUIREMENTS:

(a) A copy of this exemption must be carried aboard each passenger-carrying aircraft used to transport packages covered by this exemption. The shipper shall furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

(b) The pilot-in-command must be advised when the gas chromatograph is placed on board the aircraft.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. Section 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.
- o Registration required by 49 CFR 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in 49 CFR 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by 49 CFR 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (49 CFR 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under this exemption.

Issued at Washington, D.C.

Alan I. Roberts

for Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

6/8/98

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, Washington, DC 20590-0001, Attention: Docket Section, 202-366-5046.

Dist: FAA

PO: sln